

Title (en)
SENSOR FOR ABSORBENT ARTICLE

Title (de)
SENSOR FÜR SAUGFÄHIGEN ARTIKEL

Title (fr)
EMBALLAGE POUR ELEMENT ABSORBANT.

Publication
EP 3471677 A4 20200311 (EN)

Application
EP 17814259 A 20170619

Priority
• US 201662351372 P 20160617
• US 2017038146 W 20170619

Abstract (en)
[origin: US2017360623A1] A sensor for monitoring wetness in a diaper or other absorbent article includes a housing that attaches to the absorbent article. The sensor may include inner and outer housing portions that capture an edge of the absorbent article between the housings. The sensor may include contacts that electrically connect with a pair of contact strips embedded in the absorbent article. The distance between the embedded strips may vary depending on the size of the absorbent article. The sensor may include multiple pairs of contacts that are spaced apart to match the distance between the contact strips for the variously sized absorbent articles. In this way, depending on the pair of contacts connected to the contact strips, the sensor may indicate the size of the absorbent article.

IPC 8 full level
A61F 13/42 (2006.01); **A61B 5/00** (2006.01); **A61F 13/49** (2006.01); **G01N 27/04** (2006.01)

CPC (source: EP US)
A61F 13/42 (2013.01 - EP US); **G01N 27/048** (2013.01 - EP US); **A61F 2013/424** (2013.01 - EP US)

Citation (search report)
[A] US 2009326417 A1 20091231 - ALES III THOMAS M [US], et al

Cited by
EP4069174A4

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 10624795 B2 20200421; **US 2017360623 A1 20171221**; AU 2017286817 A1 20190131; AU 2017286817 B2 20220317;
AU 2022204268 A1 20220707; AU 2022204268 B2 20240704; CA 3028140 A1 20171221; CA 3028140 C 20230124; EP 3471677 A1 20190424;
EP 3471677 A4 20200311; EP 3471677 B1 20230111; WO 2017219023 A1 20171221

DOCDB simple family (application)
US 201715626729 A 20170619; AU 2017286817 A 20170619; AU 2022204268 A 20220617; CA 3028140 A 20170619;
EP 17814259 A 20170619; US 2017038146 W 20170619